00590
1108

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RAW SEQUENCE LISTING DATE: 10/19/2001
PATENT APPLICATION: US/09/973,994 TIME: 11:11:36

Input Set : A:\76480023.app
Output Set: N:\CRF3\10192001\I973994.raw

3 <110> APPLICANT: CAIRNEY, JOHN
4 XU, NANFIE
6 <120> TITLE OF INVENTION: DIFFERENTIALLY-EXPRESSED CONIFER cDNAs, AND THEIR USE
7 IN IMPROVING SOMATIC EMBRYOGENESIS
9 <130> FILE REFERENCE: 7648.0023-00
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/973,994
C--> 12 <141> CURRENT FILING DATE: 2001-10-11
14 <150> PRIOR APPLICATION NUMBER: 60/239,250
15 <151> PRIOR FILING DATE: 2000-10-11
17 <150> PRIOR APPLICATION NUMBER: 60/260,882
18 <151> PRIOR FILING DATE: 2001-01-12
20 <160> NUMBER OF SEQ ID NOS: 339
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25 <211> LENGTH: 567
26 <212> TYPE: DNA
27 <213> ORGANISM: Pinus taeda
29 <400> SEQUENCE: 1
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32 aagatcacat accaggtgtt ggagcagatt cgatagatat tgaagatatg aagccaagga 180
33 gtggagcagt tattgaaaag ggcacaaaaa aatttgccat ttacaaagat gaaaatgggc 240
34 tgattcacaa atactcggca atatgcccac acatgaactg tattgtgaaa tggaatccta 300
35 tagactcaac tttcgattgc ccctgccatg gttcaatgtt tgataatctg ggtcgatgca 360
36 tcaatggacc tgccaaggcg gacctatttc ccgaagatta acgatagttg tttgtacatg 420
37 taattatctt gatattgtat atatatgtat ttaaattata cagtacaata aatccatgtt 480
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47 <400> SEQUENCE: 2
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49 tgcagtggat atatacaatg tatatgtact ctgtctgttt ttctgttatt tgacggaaat 120
50 aaaaacgcca tagcgacgga tgactgtaaa tccttaggga cggatgactg taaatcctta 180
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63 atggggattc accagttttt gtagaatttg caatcatcgg atgacaattt caaagttttc 180
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76 atgctcgagc gccgcagtgt gatgaattgc agaatcggct ggtactcacg ggctagagaa 180
77 aggcacaagc acttttgtc attttaggat cagaggcatt caggtatagg aagggtggct 240
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81 ttttttatct gctttcaagt gattatttgt tgattcccca tggatagtta tgctaatcag 480
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94 ccaaagagtg gaatgcttta ttgaccagca agaccttgaa atttttataa ccaatgccca 180
95 tcaacagagc ctttcttaaa aaacgcaaag cccagctctg tcaccttatt agttagtata 240
96 aactgacatt cttccaagct tgtgtgcgca gaaacaataa agaacttcac cttggtttaa 300
97 agaacgtgcc atgaagaaaa cgtcccaaga aaaatgaaat ggctccttcg accattcagt 360
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110 tgaaacattt tatgcatgtt attgcctccc aaggacgaaa tcagttcttt gtgccttctg 180
111 gtgatatcac ttcaaacaaa aggcaacagt tctgtgattt catatggttt gtcactgaat 240
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113 ccccatggat agttatgcta atcagttgca tttctcttgt accagtcaac aaacaaaaat 360
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126 ggctagagaa aaggcacaag cacttcttcg tcattttagg atcagaggca ttcaggtata 180
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128 catgttattg cctcccaagg acgaaatcag ttctttgtgc cttctggtga tatcacttca 300
129 aacaaaaggc aacagttctg tgatttcata tggtttgtca ctgaatattt tgttgcagat 360
130 gttctctact atttttttatc tgctttcaag tgattatttg ttgattcccc atggatagtt 420
131 atgctaatca gttgcatttc tcttgtacca gtcaacaaac aaaaatgctt gtaggaatcc 480
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142 gatcagagaa gagcaggaaa tgagtccacc tgaggaatcc tggagacaga aacaggggcg 120
143 tttaatggag tttgaggcag ggatggccta tgataaacct gaaaatgccg gtgcaggtaa 180
144 tgagaatttg ccagagtttt gctctctttc aaatgagtac tcgatgttat tgaaagatcc 240
145 atggagttgg gaggatagca ctggtttcgg aatccgaagc ttagctgctg tcaggaagca 300
146 gtcttgtata ttggactatc tccatgattc tgctgtagat aatcgctgtg aaaaggattt 360
147 tgccgagcag cacaaggtac aggaagagga ggattgtttg agaaggtctc tttttgaagc 420
148 cacagatgat cagctctgga ggcttcagag tctttgcagg atacagaagg tctgtttcct 480
149 ctggattccg tgggtagcca tgattgcacg accttgttgc aggatgagag cattgttcag 540
150 ggcgctgctt cttacttcag aatttgggaa caggatgatg gtcacaagga tgccaaaatt 600
151 catgaagatg gcattggttt tgtgtatggg agtgggatct cggattggat tcggagggct 660
152 ccctcgaatc aatctgagtt ttctgaatct gttgaatttg aaagctctat gttttcactg 720
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165 atgttgctgg cagtagagct ggagatgtgc tgtctctttg gtgtcattag cacagaagct 180
166 attggagaaa tgattattat ctgtttgata acttctagag catttttctg cttccaattc 240
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190 <212> TYPE: DNA
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196 aatgttgctg gcagtagagc tggagatgtg ctgtctcttt ggtgtcatta gcacagaagc 180
197 tattggagaa atgattatta tctgttacat aacttataga gcatttttct gcttccaatt 240
198 ccacaaggtg gaaagtgcaa ggatgtttac tttcttaaac tgtacttgcc ttgtatttga 300
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210 ggtactcggc ctttgttgga atgtagtctg gttaatttat atgtatatgt aaccttgggg 180
211 tttcgagccc agttctctgt tcttcttgaa atgaaatgcg atttgttcta aaaaaaaaaa 240
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218 <213> ORGANISM: Pinus taeda
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223 ggatgattgt tgtagtcctg tcattggttg gacaattttc atcatcctaa agatccaaga 180
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243 <213> ORGANISM: Pinus taeda
245 <400> SEQUENCE: 15
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RAW SEQUENCE LISTING DATE: 10/19/2001
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Input Set : A:\76480023.app
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259 gagagttgta gtgtgtaatt gattcatttc atacatttga tatgcaagcc tgtacaatag 180
260 cctgtgactg ttaagggcat tcttttgtct ccctgttgct atttgggttt ccggtgtgtt 240
261 cattttcact tatttttgtg ttttagctgg aagaatttga gagggtagaa ttgtgtcatc 300
262 gctatggctt gtgcatgact catgagccag cagttgaaac ttttatttat taagttataa 360
263 tactatgtct tgtcaattct caataaaaga tattttatgc tgttgggcag catctaaaat 420
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275 ttttaggcat ggtgcgcgat gagctgatag cgatgatgaa gaccaagacc accaaaggaa 180
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277 gtgaggtacc tgcaaatgtg tgatggacta actaagaagg ctccttgaga ggacccatta 300
278 agcacagtgt ttttaagtcc caaattctgt tgcaattccg ttgaaaatca tttttacgat 360
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281 tagggcacat taatgtaagt tttgaatttg aacattctgg gttttgcaat gcaaaacacc 540
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305 accccgcttc ctagttctga agaagccaga aagctttaaa atgctaagcc tacaggtaat 180
306 attcacaact gcattaagca ccccgcttcc tagtaggcta gtactaggac taggaccgca 240
307 ttaccagttc ccttatcttc tactcatcct ctacaggaaa aactatgact aaaactgcat 300
308 taccagttcc cttatcttct caactcgtcc tctacaaaaa aaaaaaa 347

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 10/19/2001
PATENT APPLICATION: US/09/973,994 TIME: 11:11:37

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:1209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:1291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
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Input Set : A:\76480023.app
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